

FILE NOTATIONS

Entered in NID File✓

Location Map Pinned✓

Card Indexed✓

Checked by Chief

Approval Letter

Disapproval Letter

PWB
3-21-73

COMPLETION DATA:

Date Well Completed

NW..... WW..... TA.....

GW..... OS..... PA.....

Location Inspected

Bond released

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

S..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

A survey plat &
location details
will follow as
soon as roads
are passable.

Don

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Willard Pease Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 548, Grand Junction, Colo. 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

SE.SW.Sec.8,T.16 S.,R.25 E.,S.L. Meridian

At proposed prod. zone (Approx. 1800' from W-line & 650' Fr. S-line) Sec. 8, 168., 25E., S.L.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 22 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

650'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2200"

16. NO. OF ACRES IN LEASE

1120 Ac.

19. PROPOSED DEPTH

7350' ✓

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 Ac.

20. ROTARY OR CABLE TOOLS

Rotary tools

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

8240' grd.; 8250' D.F.

22. APPROX. DATE WORK WILL START*

Apr. 5, 1973

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8" ✓	36.00#	200' ✓	100 sks. ✓
8 3/4"				

It is planned to drill a well at the above location to test the natural gas possibilities in the various sand reservoirs of the Dakota, Cedar Mountain, and Morrison formations. The well will be drilled with rotary tools, using air and air-mist drilling for a circulating medium, to a depth of approx. 7350' or to commercial production, whichever is at the lesser depth. A blow-out preventor and rotating head will be installed on the top of the 9 5/8" surface casing, which will be cemented with returns to the surface, to maintain adequate control of all pressures at all times. It is planned to set a string of 5 1/2", 15.50#, J-55 Casing at the top of the Dakota formation and drill thru the gas sands dry, thus preventing any contamination. ✓

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

H. Row Gungley

TITLE

Consulting Geologist

DATE

Mar. 19, 1973

(This space for Federal or State office use)

PERMIT NO.

43019-30135

APPROVAL DATE

APPROVED BY

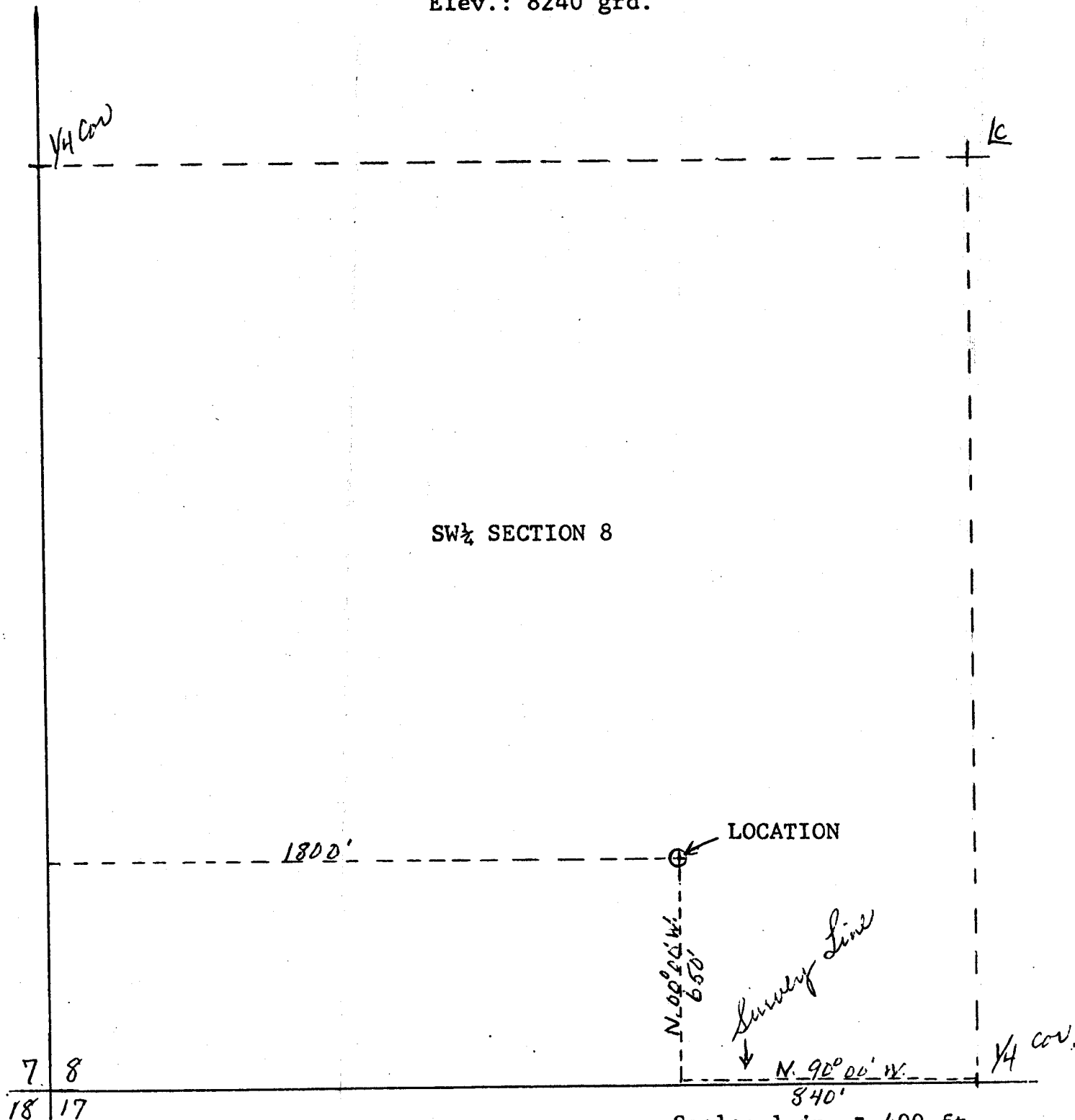
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

LOCATION PLAT
FOR
ANDERSON NO. 1 WELL
SE. SW. SEC. 8, 16S, 25E.
GRAND COUNTY, UTAH

Elev.: 8240'grd.

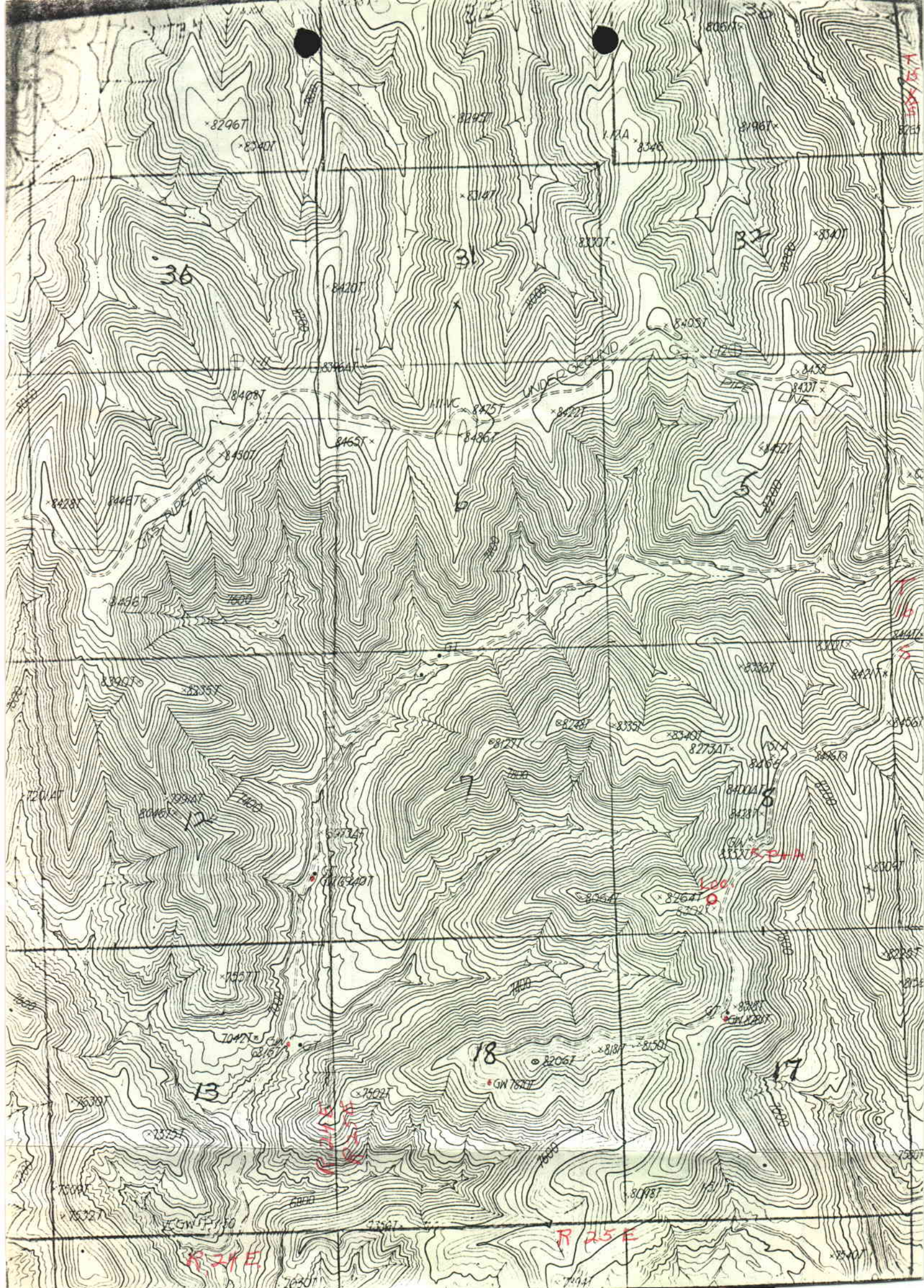


Scale: 1 in. = 400 ft.

Date: Mar. 21, 1973

Surveyed By: W. Don Quigley

W. Don Quigley



DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: **Salt Lake City, Utah**

SERIAL NO.: **U-05010-C**

and hereby designates

NAME: **Willard Pease Oil & Gas Company**

ADDRESS: **P. O. Box 548, Grand Junction, Colorado 81501**

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T.16 S., R.25 E., S.L. M., Grand County, Utah

Section 8: NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$

Section 8: E $\frac{1}{2}$, E $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

March 19, 1973

(Date)

G. W. Anderson
(Signature of lessee)

G. W. Anderson

703 Desert Bldg.

Salt Lake City, Utah 84111

(Address)

March 21, 1973

Willard Pease Drilling Company
Box 548
Grand Junction, Colorado

Re: Well No's:
Anderson Federal #1,
Sec. 8, T. 16 S, R. 25 E,
Anderson Federal #2,
Sec. 12, T. 16 S, R. 24 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 149-1, dated March 14, 1973. Said approval is, however, conditional upon the following:

- (1) Providing this office with surveyor's plats of the proposed locations.
- (2) There will be no commingling of production without administrative approval.

It should be noted that the Anderson #1 well will be designated as the drilling unit well no. 28, zone 2; and, the Anderson #2 well will be designated as the drilling unit well no. 7, zone 2, under the aforementioned Order.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in regard to the above will be greatly appreciated.

The API numbers assigned to these wells are:

Anderson #1:	43-019-30135
Anderson #2:	43-019-30136

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FREIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey

W. DON QUIGLEY

OIL AND MINERALS CONSULTANT
803 PHILLIPS PETROLEUM BLDG. - SALT LAKE CITY, UTAH 84101

LOCATION PLANS
FOR ANDERSON NO. 1 WELL
SE.SW.SEC.8, 16S, 25E.
GRAND COUNTY, UTAH

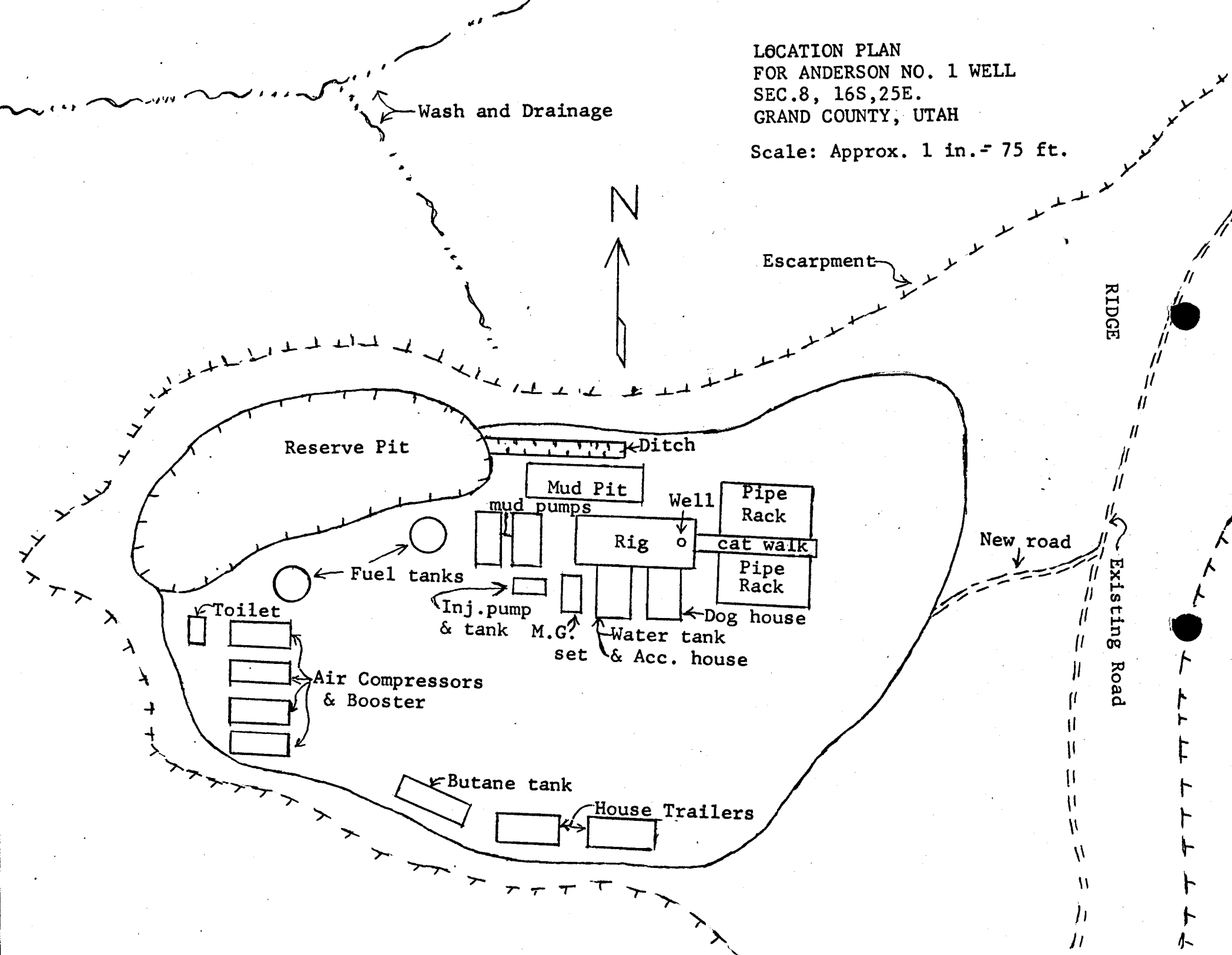
1. A survey plat for the location of subject well is attached.
2. A portion of the topographic map of the general area is attached. This shows the existing roads, the topography, the area drainage, the location of existing wells, and the location of the proposed well.
3. A detailed schematic drawing of the location plan and equipment to be used in the drilling of the subject well is attached.
4. It is planned to haul the needed water for the drilling operations by truck from the East Canyon creek and/or the Westwater Creek drainage.
5. Excess water and mud, if used, will be flushed into the reserve pit until the well is finished.
6. When the well is completed or abandoned, the location will be cleaned, all trash removed, levelled and restored to its natural state as near as possible. The reserve pit will be folded in and levelled.

W. Don Quigley



LOCATION PLAN
FOR ANDERSON NO. 1 WELL
SEC. 8, 16S, 25E.
GRAND COUNTY, UTAH

Scale: Approx. 1 in. = 75 ft.



September 13, 1973

Willard Pease Oil & Gas Co.
Box 548
Grand Junction, Colorado 81501

Re: Well No. Anderson Fed. #1,
Sec. 8, T. 16 S, R. 25 E,
Grand County, Utah
Well No. Anderson Fed. #2,
Sec. 12, T. 16 S, R. 24 E,
Grand County, Utah.

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months of April thru' August, 1973, on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said report be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b, (U.S. Geological Survey 9-331), "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information.

Thank you for your prompt attention to the above.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE
EXECUTIVE SECRETARY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355

5. LEASE DESIGNATION AND SERIAL NO.

U-05010-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

Anderson #1

10. FIELD AND POOL, OR WILDCAT

San Arroyo

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 8, 16S, 25E.
S.L.M.

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. ELEV. CASINGHEAD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Willard Pease Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 548, Grand Junction, Colorado 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

SE.SW.Sec.8, T.16 S., R.25 E., S.L.M.

At top prod. interval reported below 1800' fr.W-line & 650 fr.S-line

At total depth

14. PERMIT NO.

DATE ISSUED

43-019-30135

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

7-20-1973

8-2-1973

8-5-1973

8275' K.B.

8266'

20. TOTAL DEPTH, MD & TVD* 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Gas zone at 6975'-7000', & 7045'-7070'

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

none run

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.00#	153'	12 1/4"	90 sks	none
7 1/4"	28.98#	3211'	8 3/4"	73 sks	none
4 1/2"	18.98#	7030'	8 1/2"	83 sks	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

7000'-7010' with 1 sh/ft/.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-2-1973	24 hrs.	1 1/2"	→		3,155		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→			3,155 ✓		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the information furnished on this report is a true and correct copy of all available records

SIGNED

W. Don Guegley

TITLE

Consulting Geologist

DATE

Nov. 5, 1973

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and/or pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Green River Surface	540'		Shale, grn., gry., bent., & silic. ss., lt. gry to brn., vfg.-f.g.			
Wasatch	540'	1190'	Shale, rd-brn., pur., gry., grn. ss., brn.-gry., fg.-vfg., sl.calc.			
Mesa Verde	1190'	2840'	ss. & Shale			
Mancos	2840'	3160'	Shale, gry, marine, silty.			
Buck Tongue	3160'	3250'	ss., gry, vfg., calc., arg.			
Castlegate	3160'		ss., fg.-vfg. calc. gry-wh. & shale			
Lower Mancos	3250'	6875'	Shale, gry.-blk., calc., mar.; lms. & ss., thin bedded & silty			
Dakota	6875'	7020'	Shale, gry., silty, bent.; & ss., gry-brn. vfg.-fg., rd'd grns 7 bent.			
Cedar Mt.	7020'	7080'	Shale, grn., gry., silty, and calc. ss., gry-wh., cg.-congl. gas bear.			
Morrison	7080'	T.D.	Shale, rd. & grn., gry. bent. silty			

DRILLING HISTORY
and
GEOLOGIC REPORT

on

WILLARD PEASE OIL & GAS COMPANY
Anderson #1 Well
Grand County, Utah

by

W. DON QUIGLEY
CONSULTING GEOLOGIST
SALT LAKE CITY, UTAH

November 5, 1973

DRILLING HISTORY
of
Anderson #1 Well

Operator:	Willard Pease Oil & Gas Company P. O. Box 548 Grand Junction, Colorado 81501
Contractor:	Willard Pease Drilling Company P. O. Box 548 Grand Junction, Colorado 81501
Location:	SE. SW. Sec. 8, T. 16 S., R. 25 E., S. L. M., Grand County, Utah. (1800' fr. W-line and 650' fr. S-line)
Elevation:	8265' grd.; 8275' K.B.
Spudded-in:	July 20, 1973
Finished Drilling:	August 2, 1973
Total Depth:	7090'
Producing Formation:	Dakota-Cedar Mountain
Producing Intervals:	6975' to 7000'; 7045' to 7070'
Date of 1st. Production:	Shut-in
Initial Producing Rate:	3,155 MCFGPD

HISTORY

- July 18-19: Moving-in and rigging-up.
- July 20: Finished rigging-up. Drilled rat hole. Drilled mouse hole. Drilled surface hole 0' to 126' with 12 $\frac{1}{4}$ " bit.
- July 21: Drilled 126' to 156' (30'). Ran 5 jts. of 9 5/8", J-55, 36.00# casing and landed at 153 ft. Cemented with 90 sks. cement with returns to surface. Waiting on cement and began nipping up to drill out with air.
- July 22: Drilled 156' to 947' (791'). Blew hole dry and drilled out plug. Drilled ahead, below surface casing, with 8 3/4" bit. Hole quit dusting at 440' and had to work pipe at each connection. Cuttings are damp, but are being blown out okay.
- July 23: Drilled 947' to 2050' (1103'). Hole got wet at 1837' and had to rig-up for air-mist drilling with soap and water. Drilling at rate of 40 to 45' per hr. in Mesaverde sediments. Deviation survey at 950' was $\frac{1}{2}^{\circ}$.
- July 24: Drilled 2050' to 3012' (962'). Survey at 2400' was $\frac{3}{4}^{\circ}$.
- July 25: Drilled 3012' to 3141' (129'). Made rd. -trip at 3141' for Bit #3. Bit #2 (HTC-RR-S7 & J) drilled 2985' (156'-3141') in 67 hrs. Drilled at an average rate of 45 ft. per hr. Hole was very tight and slow coming out. Got stuck going back in. Had to mix mud and pump in hole to work pipe loose.
- July 26: Mixing mud and pumping in hole. Lost circulation. Mixed more mud. Plugged bit so had to make rd. -trip to unplug bit. Had to ream and circulate hole. Lost circulation again and mixed more mud.

- July 27: Reamed hole to bottom. Bit out of gauge so made rd-trip for Bit #4. Bit #3 was used to ream hole only. Reamed hole again back to bottom at 3141'.
- July 28: Drilled 3141' to 3212' (71'). Conditioned hole to run intermediate casing thru Castlegate. Came out of hole. Bit #4 (Reed YTIAJ) drilled 71 feet in 6 hrs. Drilled at rate of 12 ft./hr. Deviation Survey at 3200' was $2\frac{3}{4}^{\circ}$. Ran 87 jts. of 7", J-55, 20.00# casing and landed at 3211' K.B. Cemented with 75 sks of cement. Plug down at 5:15 p.m. Waiting on cement and rigging-up to drill ahead with air.
- July 29: Drilled 3212' to 3915' (703'). Went in hole with $6\frac{1}{4}$ " bit and blew hole dry. Drilled out plug and began drilling ahead. Dusting good. Drilling in Mancos shale.
- July 30: Drilled 3915' to 4886' (971'). Made rd-trip at 4531' for Bit #6. Bit #5 (HTC-W7) drilled 1319' (3212' to 4531') in $26\frac{3}{4}$ hrs. Drilled at avg. rate of 49 ft/hr. in Mancos shale. Encountered natural gas in hole at 4350 to 4500'. Made volume test of gas flow at 4530' and gauged 102 MCFPD thru $\frac{1}{2}$ " orifice. (Gas probably from Emery Section).
- July 31: Drilled 4886' to 6306' (1520'). Drilling at rate of 60 ft/hr.
- Aug. 1: Drilled 6306' to 6867'. (561'). Made rd-trip at 6493' for Bit #7. Bit #6 (Reed-FCH5J) drilled 1962 ft. (4531' to 6493') in 30 hrs. Drilled at avg. rate of 65' per hr. Estimate top of Frontier member at 6490'. Had a 10-ft. flare of gas after trip, so Frontier had some gas in it. Lt. brn. f.g. ss. w. some fluorescence. Drilling rate began slowing down at 6700 ft. This is probably in the hard, tight, and thin ss. beds in the Mowry section. Had glauconite at 6800' - so probably Mowry. Anhydrite also increasing.
- Aug. 2: Drilled 6867' to 7090' (223'). Had reverse drilling break at 6875'. This is probable top of Dakota formation. Samples contained lt. brn. chrty vfg. ss. Encountered a ss at 6975' to 7000' which was a f.g. qtz. bent. ss w/sl. fluor. and had a small gas flare (8-ft. flare). Encountered first green shale at 7020'. This is probable top of Cedar Mt. formation. Encountered good mg. ss. w/rd'd grns and sl. fluor. at 7045 to 7070'. Had a strong flow of gas-(60-ft. flare). Gauged flow at 3,155 MCFGPD thru $1\frac{1}{2}$ " orifice. Drilled hole ahead to 7090'. Estimate top of Morrison formation probably at 7080'. Waiting on casing for well.
- Aug. 3: Laid down drill pipe and drill collars. Bit #7 drilled 597' (6493' to 7090') in 17 hrs. Drilled at avg. rate of 34 ft/hr. Ran $4\frac{1}{2}$ ", J-55, 10.50# casing and set at 7030'. Lynes packer on casing set at 6974'. A D.V. collar set at 6969'. Cemented casing with 85 sks. cement. Let cement set.
- Aug. 4: Waiting on cement to set. Picked up 2-in. tubing and ran in hole with $3\frac{3}{4}$ " bit.
- Aug. 5: Drilled out cement inside casing and blew water down to about 6000'. Came out of hole with tubing and bit. Took off bit and went back in hole with tubing and set bottom of tubing at 6970'. Installed tubing

head and valves. Perforated casing at 7000 to 7010' with 1 shot/
ft. Gas blew rest of water out of hole. Well shut-in.

W. Don Quigley
W. Don Quigley

GEOLOGIC REPORT

on

Anderson #1 Well

GENERAL GEOLOGIC CONDITIONS

The Anderson #1 well is located on the northwest flank of the San Arroyo structure and gas field. The well offsets a producing well, the Tidewater Oil Company-East Canyon #1-17, to the south and an abandoned well, the Tidewater Oil Company-East Canyon #1-8, to the north. This latter well was abandoned after a down-hole gas fire left a fish in the hole and made completion impossible. The well had an appreciable amount of gas in the Cedar-Mt. formation, but circumstances prevented getting a volume test of the gas.

Thus the well was located in a known natural gas area, but the nature of the reservoir sands in the Dakota, Cedar Mountain, and Morrison formations is unpredictable in this area. The sands are lenticular and irregular in thickness, porosity, permeability, and extent. Bentonite is a common constituent in the matrix of the sands and may plug up the normal reservoir porosity. The sands interfinger somewhat and may not persist laterally for any great distance.

The San Arroyo structure is an asymmetrical anticline trending northwestward, with a fairly steeply dipping south flank and a more gentle north flank. The south flank is further distorted by a fault parallel to the axis of the structure and downthrown on the south side. The amount of displacement varies from 200 to 500 feet.

There are a number of northeasterly trending faults across the structure which further complicate the symmetry. Most of the faults are pre-Mesaverde in age and are not discernible from surface studies. They are not found until wells are drilled or certain geophysical work is accomplished.

The San Arroyo structure lies on the northwesterly plunging flank of the Uncompahgre Arch at the southeastern edge of the Uinta Basin and along the Book Cliffs escarpment separating the Uinta Basin to the north from the Grand Valley area and Paradox Basin to the south.

The geologic position of the San Arroyo structure is highly favorable for the receipt of hydrocarbons generated in the source rocks of the Uinta Basin. A number of natural gas fields-twelve in number, have been developed during the last twenty years along the edges of the Book Cliffs in the same geologic setting as the subject structure. Some of these cover only a section or two and may consist of only two or more wells; while others may cover as large an area as 25 sections and consist of 30 or more wells.

The natural gas in the area is found in the Cretaceous and Jurassic formations, including the Mesaverde, Dakota, Cedar Mountain, Morrison, and Entrada.

With the exception of the Entrada formation, the gas reservoirs are primarily lenticular and irregular sands of varying areal extent and thickness at varying horizons within the formations. In general, the Dakota has offered the best reservoirs and the gas reserves and production have been better from these sand lenses than from the lenses found in the other formations.

The Entrada formation is a relatively continuous sandstone, with varying degrees of porosity and permeability and red shale inclusions from place to place. The natural gas found in the Entrada in the region has tended to be of inferior quality, having a BTU content of 480 to 760, thus requiring treatment or mixture with other gases having a higher BTU content before it is marketable.

The subject well was drilled to test the natural gas potential in the various lenticular sands in the Dakota, Cedar Mt., and Morrison formations. It was felt that its low position on the flank of the San Arroyo structure precluded any chance of obtaining gas in the Entrada formation, which is controlled by structure. The Anderson #1 well was located between two Tidewater wells: The Tide water No. 1-17 E.C. well about $\frac{1}{2}$ mile south of the And. #1 well, and the Tidewater No. 1-8 S.E. well about $\frac{1}{4}$ mile north of the well. Thus the formation tops in the And. #1 well should have been close to the slope of the structural datum line between the two Tidewater wells. However, there was a difference of about 100 feet (lower) due to a northeasterly trending fault between the Tidewater well to the south and the And. #1 well. The fault is downthrown on the northwest side thus placing the And. #1 well about 100 ft. lower structurally than anticipated. The above Tidewater wells and the And. #1 well are all located north of the San Arroyo fault.

DRILLING HISTORY & COMPLETION

A detailed daily history of the drilling operations of the Anderson #1 well precedes this section. Little difficulty and few problems were encountered in this well as evidenced by the short time in which it was drilled. The well was drilled to a total depth of 7090' in 12 days time with an intermediate' string of 7" casing set at 3211' during this period. The drill pipe was stuck once at 3141 ft. and the hole had to be mudded-up to work the pipe loose and to clean out the hole. After the 7" casing was set at 3211", the hole was blown dry and drilling continued using air as a circulating medium. No further trouble was encountered and the hole remained dry the rest of the way.

The first gas was encountered at 4350' to 4500' and measured 102 MCFGPD when gauged. This gas probably is coming from the Emery section of the Mancos formation. Some more gas was encountered at 6975' to 7000' in a lower sand of the Dakota formation. However, the real volume of gas, 3,155 million cubic ft. per day, was encountered in the Buckhorn sand of the Cedar Mountain formation at 7045' to 7070'. The well was drilled about

20 feet below the sand to a depth of 7090' and then discontinued. The risk of drilling into some lower water sands was to be avoided if possible.

The well was allowed to flow thru a $1\frac{1}{2}$ " choke for a period of about 24 hrs. to clean up and while waiting on casing. The drill pipe and collars were pulled out of the hole and laid down. Casing, $4\frac{1}{2}$ ", 10.50#, J-55, with a Lynes packer and D.V. collar at the bottom was run thru the rotating head and set at 7030 and cemented with 85 sks. of cement. The Lynes packer was set at 6974' and the cement was placed above the packer. The excess cement was drilled out with $2\frac{3}{8}$ " tubing and a $3\frac{3}{4}$ " bit. The casing was then perforated below the Lynes packer at 7000' to 7010' with 1 shot/ft. The tubing was landed at 6970' and the gas blew the rest of the water out of the casing. A bottom hole shut-in pressure of the gas zone was not obtained, but the casing had 6000 feet of water in it when the zone was perforated and the gas unloaded the water. The hydrostatic pressure of the water column was about 2600 lbs. so the pressure of the gas zone is at least this amount or greater.

STRATIGRAPHY

The rocks exposed around the Anderson #1 well belong to the Green River, Wasatch, and Mesaverde formation in descending order. The well drilled about 2900 ft. of these sediments before going into the top of the Mancos formation.

As noted earlier, the natural gas reservoirs in the area are found in lenticular sands in the Dakota, Cedar Mt., and Morrison formations. These sand lenses are quite erratic and may be present in one well and missing in an offset well. The Dakota sands were very poorly developed in the subject well. There was only one sandstone bench, about 25 ft. thick, at the very base of the formation which was developed, but it was tight and bentonitic, but did contain a small amount of gas (8-ft flare). The Cedar Mountain formation contained one well developed sand, the Buckhorn sand, at the very base which was 25 ft. thick and very porous. It was conglomeratic and coarse grained.

The formations with their tops, thicknesses, and datum points that were encountered in the subject well, as picked from the samples, are as follows:

<u>Formation</u>	<u>Depth to top</u>	<u>Thickness</u>	<u>Datum</u>
Green River	surface	540'	8275' K. B.
Wasatch	540'	650'	7735
Mesaverde	1190'	1650'	7085
Mancos (Buck Tongue)	2840'	320'	5435
Castlegate	3160'	90'	5115
Mancos Lower	3250'	3630'	2025

Dakota	6875'	145'	1400
Cedar Mountain	7020'	60'	1255
Morrison	7080'	---	1195
Total Depth	7090'		

In comparing the above datum points with comparable ones in the adjacent Tidewater wells, it is obvious that the Anderson #1 well is about 190' lower than the #1-17 well to the south and about 40 ft. higher than the #1-8 well to the north. Thus the northeast trending fault between the And. #1 well and the #1-17 well has displaced the section downward about 100 ft. on the north side of the fault.

A detailed stratigraphic log of the well from 5800' to total depth is attached hereto. This log shows the tops of the formations encountered in the lower portion of the hole.

GAS ZONES

Three different gas zones were found in the Anderson #1 well. The first two were small and relatively unimportant compared to the third and last zone. The first natural gas zone found in the well was at 4350' to 4500' in the Emery section of the Mancos formation. The volume of gas was measured at 102 MCFPD.

The second gas zone, 6975' to 7000', was in a lower sand, about 25 ft. thick, in the Dakota formation. The sand was fine-grained, tight, and bentonitic. The amount of gas, however, was sufficient to produce an 8-ft. flare at the end of a 7" blooey-line. It is estimated that the volume was around 80-100 MCFGPD.

The third and best gas zone at 7045' to 7070' was in a coarse-grained, conglomeratic, porous sandstone, called the Buckhorn sandstone, at the base of the Cedar Mt. formation. The volume of gas was measured thru a $1\frac{1}{2}$ " orifice at 3,155 MCFPD and remained steady at this rate for a test period of over 24 hrs. A calculated shut-in pressure of the gas zone indicates that the pressure is at least 2600 lbs. p.s.i. and probably greater.

There could be other gas zones in the Morrison formation below, but the risk of encountering water zones is also high and because of this, deeper drilling was not warranted.

CONCLUSION

The Anderson #1 well is located on the northwest flank of the San Arroyo structure and natural gas field. This well extended the productive limits of the field about $\frac{1}{2}$ mile further west and north. The well was designed and located to find and complete the gas zone found in the Tidewater #1-8 well, about $\frac{1}{4}$ mile to the north; but which was lost due to a downhole fire and

mechanical difficulties. The subject well did find this zone and was successfully completed for an open flow volume of 3,155 MCFGPD from the Buckhorn sand of the Cedar Mt. formation at a depth of 7045' to 7070'.

The subject well also provided further information on the lenticular pay sands of the Dakota and Cedar Mt. formations in this area, as well as providing information on a northeasterly trending fault in the vicinity. The upper Dakota sands were not well developed and were tight and quartzitic. The lower sand was about 25 ft. thick, but was tight and bentonitic. It did have a small volume of gas, however.

The Cedar Mountain formation only had one sand, the Buckhorn sand at the base of the formation; this sand was about 25 ft. thick and porous and contained a fairly large volume of gas.

It has been found that the natural gas reserves in the Book Cliffs area of Grand County, Utah are more related to depth and pressure than they are to sand thickness and porosity. Based on past experience and production history of other wells in the field it is estimated that the natural gas reserves under the 320 acre drilling unit on which the Anderson #1 well is located are about 3 to 4 billion cubic feet. At the present price of natural gas, the well should have a gross production over a twenty year period of more than one million dollars.

W. Don Quigley
W. Don Quigley
Consulting Geologist
AAPG. Cert. #1296

Pease Ridge Gas Co. - Anderson #1 Well

5800'-6500'

Location: SE. SW. Sec. 8-16S-25E
Elev: 8275' H.B.

5800

LT gray calc silt sh
LT gray calc silt sh w/ some grit gas & med calc.

5900

B.R. calc marine sh.

6000

B.R. calc marine sh. w/ some drag. xls

B.R. calc marine sh.
Gray calc silt sh & rfg calc. ang. it gray silt

6100

DR. gray calc marine sh. & ang. xls

LT gray rfg calc ss. & gray calc sh.
DR. gray silt calc sh.

Some it gray rfg calc ss. & gray calc bent sh.

6200

DR. gray calc sh & gray calc siltst.

X VLT DR gray calc sh. & gray calc siltst w/ pyn & some grit. gas.

6300

X V SOME rfg. it gray ang. calc ss. & gray calc. sh.

V DR. gray silt calc sh. w/ pyn

6400

SOME DR. ang. xls. & DR. calc sh.

DR. gray calc silt sh. & gray calc siltst.

X LT. DR. TO BUFFA calc lg. to med ss. w/ sh. DR. - w/ some gas

Kmp
6500

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.S.
LAND OFFICE Utah
LEASE NUMBER U-05010-C
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field San Arroyo
The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 19 75,
Agent's address 245 Market Street Company Pacific Transmission Supply
San Francisco, CA 94105 Signed E.H. Winsen
Phone (415) 781-0474 Agent's title Manager of Mineral Leases

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS Producing	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SESW Sec. 8	16S	25E	1	0						Shut-in

2/6/75

USGS
UO&GCC
G.W. ANDERSON
MONO
FILES

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

4

PACIFIC TRANSMISSION SUPPLY COMPANY

245 MARKET STREET
SAN FRANCISCO, CALIFORNIA 94105
(415) 781-0474

February 7, 1975

Mr. Cleon B. Feight
Utah Division of Oil and
Gas Conservation
1588 West, North Temple
Salt Lake City, Utah 84116

Dear Mr. Feight:

RE: Well 1 (U-05010-C)
Well 2 (U-04967-C)
San Arroyo Field

Enclosed are executed copies of the U.S.G.S.
Monthly Reports of Operations for the captioned wells
for the month of January, 1975.

In view of the fact that these wells will be
shut-in for an indefinite period of time, please grant
us permission to submit the Utah Oil and Gas Conservation
Levy Report on an annual calendar year basis.

Sincerely,

W. G. Stelling

W. G. STELLING
Lease Records Supervisor

WGS:aab
Enclosures

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE *2-21-75*
BY *C. B. Feight*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.
LAND OFFICE Utah
LEASE NUMBER U-05010-C
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

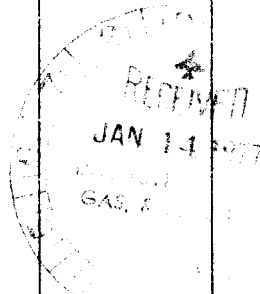
State Utah County Grand Field San Arroyo

The following is a correct report of operations and production (including drilling and producing wells) for the month of January thru December, 19 76,

Agent's address 245 Market Street Company Pacific Transmission Supply
San Francisco, CA 94105 Signed St. Winters

Phone (415) 781-0474 Agent's title Manager of Mineral Leases

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SESW Sec. 8	16S	25E	1	0						Shut-in



JAN 11 1977

USGS
DO&CCC
G. W. ANDERSON
MONO
FILES

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. 42-005010 C

N/A

Communitization Agreement

Field Name SAN ARROYO

Unit Name N/A

Participating Area N/A

County Grand State Utah

Operator Pacific Transmission Supply Company

☐ Amended Report (FORMERLY Willard Pease)

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 1978 through December, 1978

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
#1	SESW 8	16S	25E	GSI	NONE	NONE	NONE	NONE	
<div style="border: 2px solid black; padding: 10px; text-align: center;"> <p>* OPERATOR NAME CHANGE</p> <p>(Bought W. Pease out) effective date: 1/27/78 12/73 - in conjunction w/ June 1973 farmout agreement)</p> </div>									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	UO&GCC, MONO, COC, Gas (MCF)	EMERALD OIL Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: *(Signature)*

Address: 245 Market Street, San Francisco Ca. 94105

Title: MANAGER, CONTRACT ADMINISTRATION

Page 1 of 1

Ph. -(415) 781-0474

RECEIVED
SEP 23 1983

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
DIVISION OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for ~~drilling~~ proposals)

1. oil well ☐ gas well ☒ other ☐
2. NAME OF OPERATOR
FORTUNE OIL COMPANY
3. ADDRESS OF OPERATOR
50 South Main, Suite 1570, SLC 84144
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 650' FSL & 1800' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

(other) ☐ CLEAN-OUT OPERATIONS

5. LEASE
U-05010-C ✓
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Anderson No.
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
San Arroyo
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 8, T16S, R25E
12. COUNTY OR PARISH
Grand
13. STATE
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
8275' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Fortune Oil Company herewith reports that the following work has been performed on the subject well:

Operations Commenced 9/13/83 w/Carmack Rig #42. Blew well down and nipped-up BOP - pulled tubing - well has fluid and rubble in hole - swabbing - Rigged up Gearhart and ran GR-CBL log and GR-CNL-CL logs - Logs indicate following tops: Dakota Silt @ 6797'; Dakota Sand @ 6854'; Cedar Mountain @ 6970' and Morrison @ 7078'; TD @ 7096'. Swabbing - Pumped 9 bbls 5% HCL down through tubing, moved end of tubing to 7025', blew 60 bbls fluid from hole, currently swabbing

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Achere Wilcox TITLE Operations Manager DATE 9/23/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 30, 1983

Fortune Oil Company
50 South Main, Suite # 1570
Salt Lake City, Utah 84144

Re: Well No. Anderson # 1
650' FSL, 1800' FWL
SE SW, Sec. 8, T. 16S, R. 25E.
Grand County, Utah

Gentlemen:

According to Sundry reports received from your company, this well is now operated by you. We have not received the proper information stating that your company is now operator of this well. If you have resumed operations on this well, it is your responsibility as current operator to submit those changes to this office. Please send in those changes stated on a Sundry Notice OGC-1b (enclosed). If your company has not taken over responsibility of this well, please explain why your office is sending in the reports for this well.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our company.

Thank you for your prompt attention to the above matter.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

LEASE DESIGNATION AND SERIAL NO.

U-05010-C

INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR FORTUNE OIL COMPANY		8. FARM OR LEASE NAME Anderson	
3. ADDRESS OF OPERATOR 50 South Main, Suite 1570, Salt Lake City, 84144		9. WELL NO. No. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 650' FSL & 1800' FWL		10. FIELD AND POOL, OR WILDCAT San Arroyo	
14. PERMIT NO. 43-019-30135		11. SEC., T., R., M., OR BLE. AND SUBST. OR AREA Sec. 8, T16S, R25E	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 8275' KB		12. COUNTY OR PARISH Grand	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) CHANGE OF OPERATOR <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective March 1, 1983, Fortune Oil Company will
be the designated operator for the subject well.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Operations Manager

DATE 10/4/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other
2. NAME OF OPERATOR
FORTUNE OIL COMPANY
3. ADDRESS OF OPERATOR
50 So. Main, #1570, SLC, UT 84144
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 650' FSL & 1800' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

(other) ☐ REPORT OF OPERATIONSRECEIVED
NOV 16 1983

(NOTE: For results of multiple completion or zone changes, use Form 9-330.)

DIVISION OF

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Fortune Oil herewith reports that the following work has been performed on the subject well.

Retagged sand plug at 7063', ran collar locator and junk basket, ran cement retainer and set at 7020'. TIH w/stinger assembly and ball test sub. Pressured tubing to 1200 psi, bottom of shoe to 3000 psi. TIH w/tubing, sting into cement retainer and establish circulation out bottom of casing and around through perforations. TIH w/packer and set at 6783'. Squeezed perfs 7002'-7012' w/35 sx class "G" cement. TOOH and lay down packer, TIH w/bit, collars and tagged cement at 6800'. Ran Cement Bond Log and found interval 6980'-7016' has been squeezed w/95-100% bonding.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

See Attachment "A"

SIGNED

TITLE Operations Manager

DATE 11/7/83

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ATTACHMENT "A"

Anderson No. 1
Sec. 8, T16S, R25E
Grand County, Utah

Sundry Notices and Reports on Wells (con't.)

TIH w/new bit, collars and tubing. Western unloaded hole w/125 MCF nitrogen. Tagged PBTD at 7069'. Pumped 20 MCF nitrogen down annulus followed by 24 bbls 7½% HCL containing 1000 cubic ft/bbl nitrogen, followed by 65 MCF nitrogen. Displaced acid at 3000 psi estimated 10 bbls acid displaced in open hole and pressure stayed at 3000 psi. Flowed well back through tubing, bled well dead. Swabbed, no fluid, TOOH w/tubing, layed down collars, Geosource rigged up and perforated Cedar Mountain 7012'-42'. Set RBP at 7047', packer at 6973', acidized perfs w/450 gal. 7½% MSR-100, swabbed, tagged fluid level at 5900', swabbed. Opened tubing to pit and burned off. Swabbed, blew well to pit and began flow-testing. Stabilized rate after 3 hours was 36 MCF/D on 4/64" choke, FCP 375 FTP 270. Geosource perforated Dakota 6934'-35' and Cedar Mountain 6973'-99', acidized w/23 bbls 7½% mud clean-out acid followed by 9 bbls. 3% KCL water. Moved packer to 6823', acidized perforations 6934'-6999' by displacing 10 bbls at 2 bbl/minute, 1400 psi. Swabbed back, pumped 500 gal. 7½% acid, displaced and swabbed. TOOH w/RBP and packer. TIH w/114 stands (6986') 2 3/8" tubing. Swabbed, last swab run pulled 90' fluid. After 16-hour shut-in, opened well and blew slug of water, swabbed, nipple down BOP and nipple up wellhead. Released completion unit 10/31 well returned to production on 11/2/83.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐
2. NAME OF OPERATOR
Fortune Oil Company
3. ADDRESS OF OPERATOR
3450 Highland Drive, #200, SLC, UT
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 650' FSL & 1800' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <u>WELL ON PRODUCTION</u>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Fortune Oil, Ltd., herewith advises that the subject well which was originally shut-in on 7/11/85, was placed back on production on November 20, 1985.

Per applicable regulations, BLM office, Moab District, notified on November 25, 1985.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Albert E. Wiley TITLE Operations Manager DATE 2/18/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE U-05010-C
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Anderson Federal
9. WELL NO.
#1
10. FIELD OR WILDCAT NAME
San Arroyo
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 8, T16S, R25E
12. COUNTY OR PARISH Grand 13. STATE Utah
14. API NO.
43-019-30135 CDMTN
15. ELEVATIONS (SHOW DF, KDB, AND WD)
8275' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

OIL COMPANY LTD.
Fortune

February 17, 1986

Utah Division of Oil, Gas & Mining
3 Triad Center
355 West North Temple
Salt Lake City, Utah 84180

RECEIVED
FEB 24 1986

Attention: Mr. Norm Stout

DIVISION OF
OIL, GAS & MINING

Gentlemen:

Effective January 10, 1986, Fortune Oil Company, a privately held corporation duly organized and existing under the laws of the State of Utah, was officially and formally dissolved. Effective that date, all remaining assets of that Corporation, including any and all interest in producing wells, leasehold estates, outside operated wells, Farmout Agreements, etc., will be held and, where applicable, operated by Fortune Oil, Ltd., a Utah limited partnership.

All operations which have previously been conducted by Fortune Oil Company will continue to be handled by Fortune Oil Ltd. New and additional operations, including future prospective exploratory programs, will be conducted under Anderson Exploration Company, a corporation duly organized in October, 1980, validly existing and in good standing under the laws of the State of Utah.


Personnel shall be the same under both Fortune Oil, Ltd. and Anderson Exploration Company. Please address further correspondence with respect to Fortune Oil Company interests to its successor in interest as follows:

FORTUNE OIL, LTD.
3450 Highland Drive, Suite 200
Salt Lake City, Utah 84106

Should you have any questions relative to the above, please call (801) 485-7797.

Sincerely yours,

FORTUNE OIL, LTD., by
K & J INVESTMENT COMPANY,
its Managing Partner


John R. Anderson
President



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, UT
84180-1203. • (801-538-5340)

DOGMA 56-64-
an equal opportunity employer

Page 1 of 1

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

OLD	FORTUNE OIL COMPANY	3450 HIGHLAND DR #200	SALT LAKE CITY UT 84106	ATTN: SCHEREE E. WILCOX
NEW	FORTUNE OIL LTD			

Utah Account No. N2260

Report Period (Month/Year) 2 / 86

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
✓ 4301930135	00582	16S 25E 8	CDMTN				
✓ 4301930136	00583	16S 24E 12	CDMTN				
✓ FEDERAL #23-1							
4301930721	00584	16S 24E 1	CDMTN				
FEDERAL #17-8							
✓ 4301931099	00585	16S 25E 8	DKTA				
FEDERAL #31-1							
✓ 4301931030	00586	16S 24E 1	DKTA				
✓ FEDERAL #34-31							
4301931046	00586	15S 25E 31	DKTA				
FEDERAL #43-7							
✓ 4301930991	00587	16S 25E 7	CDMTN				
FEDERAL 24-1							
4301930955	00588	16S 24E 24	CDMTN				
FEDERAL #21-7							
4301930755	00589	16S 25E 7	CDMTN				
TOTAL							

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____

PLEASE COMPLETE FORMS IN BLACK INK

RECEIVED
JUL 14 1987

FORTUNE OIL LTD.
3450 HIGHLAND DRIVE, SUITE 200
SALT LAKE CITY, UTAH 84106
(801) 485-7797

DIVISION OF
OIL, GAS & MINING

July 13, 1987

Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

072825

15685

RE: Fortune Oil Ltd. Account No. N2260
San Arroyo Gas Field, Grand County, Utah

Gentlemen:

This letter is to advise you that Fortune Oil Ltd. has, effective June 1, 1987, sold all of its interest in the below listed producing gas wells and in the Federal leases upon which the wells are located in the San Arroyo Gas Field, Grand County, Utah, to Bonneville Fuels Corporation, Denver, Colorado.

<u>FEDERAL WELL NUMBER</u>	<u>API NUMBER</u>	<u>STATE ENTITY</u>
X Anderson Federal #1	4301930135	00582
X Anderson Federal #2	4301930136	00583
X Federal #23-1	4301930721	00584
✓ Federal #17-8	4301931099	00585
✓ Federal #31-1	4301931030	00586
✓ Federal #34-31	4301931046	00586
✓ Federal #43-7	4301930991	00587
✓ Federal #24-1	4301930955	00588
✓ Federal #21-7	4301930755	00589

Please be advised that Bonneville Fuels Corporation will be furnishing all reports to you in the future for these wells beginning June, 1987. Please forward any future correspondence and report forms required for these wells and properties to Bonneville, including the Monthly Oil and Gas Production Report and the Disposition Report. We assume that Bonneville has initiated the necessary paperwork with your office to set up their payor account. In the event it is necessary to contact Bonneville Fuels, their address is 600 Seventeenth Street, Suite 710 North, Denver, Colorado 80202, attention Mr. Greg Twombly, President, and their telephone number is (303) 623-5600.

Sincerely yours,

FORTUNE OIL LTD.

Scheree Wilcox
Scheree Wilcox
Operations Manager

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0800 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LGC	RUN	DAY	MO/YR	STARTING TIME
92311015	FEDERAL #31-1 16S 24E 1	06	07	1	10/85	1000
92114015	ANDERSON #2 16S 24E 12	06	07	9	12/85	0900
92283011	FEDERAL #21-7 16S 25E 7	06	07	4	12/85	0930
92283014	FEDERAL #24-1 16S 24E 24	06	07	4	12/85	1130
92286010	FEDERAL #43-7 16S 25E 7	06	07	4	12/85	1030
92312011	FEDERAL #34-31 15 1/2 S 25E 31	06	12	2	10/85	0900
92314014	FEDERAL #17-8 16S 25E 8	06	12	11	11/85	1100
92113019	ANDERSON #1 16S 25E 8	06	12	10	12/85	1100
92234018	FEDERAL #23-1 16S 24E 1	06	12	10	12/85	1200

Form 100-5
November 1983
Formerly 9-331

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved:
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-05010-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Anderson

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

San Arroyo Area

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 8, T16S, R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.)

OR ☐ GAS ☒ OTHER
WELL WELL

NAME OF OPERATOR

Bonneville Fuels Corporation

ADDRESS OF OPERATOR

600 17th Street, Suite 705 North, Denver, Colorado 80202

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1800' FWL, 650' FSL

14. PERMIT NO.

43-019-30135

15. ELEVATIONS (Show whether OF, RT, GR, etc.)

8275' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) turn well on to production

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Bonneville Fuels Corporation herewith provides written notification
that the Anderson #1 was turned on to production on September 9, 1987.

SEP 28 1987

OFFICE OF THE
GAS

18. I hereby certify that the foregoing is true and correct

SIGNED

Greg Lomley

TITLE

PRESIDENT

DATE

9-11-87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-05010-C

PGW

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

093004

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Anderson

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

San Arroyo Area

11. SEC., T., E., M., OR BLK. AND
SURVEY OR AREA

Sec. 8, T16S, R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. PERMIT NO.

43-019-30135

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8275' KB

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NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANE

(Other) turn well on to production

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Bonneville Fuels Corporation herewith provides written notification that the Anderson #1 was turned on to production on September 9, 1987.

SEP 28 1987

18. I hereby certify that the foregoing is true and correct

SIGNED

Greg Lomby

TITLE

PRESIDENT

DATE

9-11-87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		6. Lease Designation and Serial Number
2. Name of Operator Bonneville Fuels Corporation		7. Indian Allottee or Tribe Name
3. Address of Operator 1660 Lincoln Street, Ste 1800, Denver, CO 80264		8. Unit or Communitization Agreement
4. Telephone Number (303) 863-1555		9. Well Name and Number See Exhibit A
5. Location of Well Footage : See Exhibit A County : QQ, Sec, T., R., M. : State : UTAH		10. API Well Number
		11. Field and Pool, or Wildcat

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA																											
<p>NOTICE OF INTENT (Submit in Duplicate)</p> <table> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Other <u>Change of Operator</u></td> </tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>		<p>SUBSEQUENT REPORT (Submit Original Form Only)</p> <table> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other _____</td> </tr> </table> <p>Date of Work Completion _____</p> <p>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.</p> <p>* Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction																										
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<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other <u>Change of Operator</u>																											
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<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Bonneville Fuels Corporation has sold all of its interest in the attached wells to Beartooth Oil and Gas. Beartooth Oil & Gas will assume operations of these wells March 1st 1993.

RECEIVED

MAR 06 1993

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature	<u>Doris Maly</u>	Title	<u>Engineering Tech</u>	Date	<u>3/1/93</u>
(State Use Only)					

EXHIBIT "A"
Attached to and made a part of that certain Sundry Notice
Executed March 1, 1993, Change of Operator

<u>Lease Number</u>	<u>Well Name</u>	<u>API #</u>	<u>Location</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>
Fee 00582	Anderson 1-8	4301930135	SE/SW	8	16S	25E
U-05010-C	Federal 17-8	430 ^{0/9} 47 31099	SW/NE	8	16S	25E
U-05010-C	Federal 21-7	4301930755	NE/NW	7	16S	25E
U-04967-C	Federal 23-1	4301930721	NE/SW	1	16S	24E
U-04967-C	Federal 31-1	4301931030	SE/SE	1	16S	24E
U-04967-C	Federal 34-31	4301931046	SW/SW	31	15S	25E
U-05010-C	Federal 43-7	4301930991	NW/SE	7	16S	25E
U-08351	Federal 7-30-15-23	43047 31247	NW/SE	30	15S	23E

RECEIVED

MAR 06 1993

DIVISION OF
OIL GAS & MINING

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Beartooth Oil & Gas Company

3. Address and Telephone No.

P. O. Box 2564, Billings, Montana 59103 (406) 259-2451

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SESW Sec. 8, 16S., R. 25E.

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☐
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- ☐
- Abandonment
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☐
- Other
- Change of Operator

- ☐
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection
-
- ☐
- Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Beartooth Oil & Gas Company has acquired Bonneville Fuel Corporation's interest in the wells listed on the attachment and assumed operations effective March 1, 1993.

These wells will be covered under Beartooth's Federal Statewide Bond No. 55-77-50.

UT007-3

MAR 1993
Received
BLM
Moab District

14. I hereby certify that the foregoing is true and correct

Signed Donald K. RobertsTitle PresidentDate March 9, 1993

(This space for Federal or State office use)

Approved by William C. HaysTitle FOR MANAGERDate 3/15/93

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

See instruction on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Beartooth Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, MT 59103 (406)259-2451		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. SEE EXHIBIT "A"
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH
		13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐PULL OR ALTER CASING ☐FRACTURE TREAT ☐MULTIPLE COMPLETE ☐SHOOT OR ACIDIZE ☐ABANDON* ☐REPAIR WELL ☐CHANGE PLANS ☐(Other) CHANGE OF OPERATOR ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐REPAIRING WELL ☐FRACTURE TREATMENT ☐ALTERING CASING ☐SHOOTING OR ACIDIZING ☐ABANDONMENT* ☐(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Beartooth Oil & Gas Company has acquired Bonneville Fuel Corporation's interest in the wells listed on Exhibit "A" and assumed operations of these wells on March 1, 1993.

These wells will be covered under Beartooth's Federal Statewide Bond No. 55-77-50.

RECEIVED

MAR 12 1993

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Grace E. Brown

TITLE

Lease Consultant

DATE

3/10/93

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

EXHIBIT "A"

Attached to and made a part of that certain Sundry Notice
Executed March 9, 1993, Change of Operator

<u>Lease Number</u>	<u>Well Name</u>	<u>API #</u>	<u>Location</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>
U-05010-C	Anderson 1-8	4301930135	SE $\frac{1}{4}$ SW $\frac{1}{4}$	8	16S	25E
U-05010-C	Federal 17-8	4304731099	SW $\frac{1}{4}$ NE $\frac{1}{4}$	8	16S	25E
U-05010-C	Federal 21-7	4301930755	NE $\frac{1}{4}$ NW $\frac{1}{4}$	7	16S	25E
U-04967-C	Federal 23-1	4301930721	NE $\frac{1}{4}$ SW $\frac{1}{4}$	1	16S	24E
U-04967-C	Federal 31-1	4301931030	SE $\frac{1}{4}$ SE $\frac{1}{4}$	1	16S	24E
U-04967-C	Federal 34-31	4301931046	SW $\frac{1}{4}$ SW $\frac{1}{4}$	31	15S	25E
U-05010-C	Federal 43-7	4301930991	NW $\frac{1}{4}$ SE $\frac{1}{4}$	7	16S	25E
U-08351	Federal 7-30	4304731247	NW $\frac{1}{4}$ SE $\frac{1}{4}$	30	15S	23E

All located in Grand County, Utah with the
exception of the Federal 7-30 which is located
in Uintah County, Utah.

RECEIVED

MAR 12 1993

DIVISION OF
OIL GAS & MINING



3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

RECEIVED

MAR 16 1993

Page ____ of ____

DIVISION OF
OIL GAS & MINING
PRODUCING ENTITY ACTION

Operator Name BEARTOOTH OIL & GAS CO.
Address P. O. BOX 2564
City BILLINGS State MT Zip 59103
Utah Account No. N1790
Authorized Signature Julie Roe
Effective Date March 1, 1993 Telephone (406) 259-2451

ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary)

BRACKET WELLS TO BE GROUPED TOGETHER.

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location					Producing Formation
					Sec.	T	R	Q/Q	County	
F	00582		4301930135	Anderson Federal #1	8	16S	25E	SESW	Grand	CDMTN

Explanation of action:

Change operator from Bonneville Fuels to Beartooth Oil & Gas Company

F	00585		4301931099	Federal 17-8	8	16S	25E	SWNE	Grand	DKTA
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Explanation of action:

Change operator from Bonneville Fuels to Beartooth Oil & Gas Company

F	00589		4301930755	Federal 21-7	7	16S	25E	NENW	Grand	CDMTN
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Explanation of action:

Change operator form Bonneville Fuels to Beartooth Oil & Gas Company

F	00584		4301930721	Federal 23-1	1	16S	24E	NESW	Grand	CDMTN
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Explanation of action:

Change operator from Bonneville Fuels to Beartooth Oil & Gas Company

an equal opportunity employer

1-LEC	7-180
2-DTS	7-180
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator) BEARTOOTH OIL & GAS CO
 (address) PO BOX 2564
BILLINGS MT 59103
 phone (406) 259-2451
 account no. N 1790

FROM (former operator) BONNEVILLE FUELS CORP
 (address) 1660 LINCOLN STE 1800
DENVER CO 80264
DORIS MALY
 phone (303) 863-1555
 account no. N 5685

Well(s) (attach additional page if needed):

Name: <u>ANDERSON FED #1/CDMTN</u>	API: <u>43-019-30135</u>	Entity: <u>582</u>	Sec <u>8</u> Twp <u>16S</u> Rng <u>25E</u>	Lease Type: <u>U05010C</u>
Name: <u>FED #23-1/CDMTN</u>	API: <u>43-019-30721</u>	Entity: <u>584</u>	Sec <u>1</u> Twp <u>16S</u> Rng <u>24E</u>	Lease Type: <u>U04967C</u>
Name: <u>FED #17-8/DKTA</u>	API: <u>43-019-31099</u>	Entity: <u>585</u>	Sec <u>8</u> Twp <u>16S</u> Rng <u>25E</u>	Lease Type: <u>U05010C</u>
Name: <u>FED #31-1/DKTA</u>	API: <u>43-019-31030</u>	Entity: <u>586</u>	Sec <u>1</u> Twp <u>16S</u> Rng <u>24E</u>	Lease Type: <u>U04967C</u>
Name: <u>FED #34-31/DKTA</u>	API: <u>43-019-31046</u>	Entity: <u>586</u>	Sec <u>31</u> Twp <u>15S</u> Rng <u>25E</u>	Lease Type: <u>U04967C</u>
Name: <u>FED #43-7/CDMTN</u>	API: <u>43-019-30991</u>	Entity: <u>587</u>	Sec <u>7</u> Twp <u>16S</u> Rng <u>25E</u>	Lease Type: <u>U05010C</u>
Name: <u>FED #21-7/CDMTN</u>	API: <u>43-019-30755</u>	Entity: <u>589</u>	Sec <u>7</u> Twp <u>16S</u> Rng <u>25E</u>	Lease Type: <u>U05010C</u>

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 3-8-93)*
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 3-10-93) (Rec'd 3-12-93)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(5-12-93)*
- Sec 6. Cardex file has been updated for each well listed above. *(5-12-93)*
- Sec 7. Well file labels have been updated for each well listed above. *(5-12-93)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(5-12-93)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date May 18 1993. If yes, division response was made by letter dated 5/14/93 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated May 18 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

MICROFILMING

1. All attachments to this form have been microfilmed. Date: May 18 1993.

FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

930512 Btm/Moab Approved on 3-15-93, eff. 3-1-93.

Btm/S.Y. Approved CA's UTO60P49-84C719 & mo49P-84700C eff. 4-20-93.

OCT 25 1995

6. Lease Designation and Serial Number:

U-05010C

7. Unit Agreement Name:

SUNDRY NOTICES AND REPORTS ON WELLS, OIL, GAS & MINING

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.1. Type of Well: OIL ☐ GAS ☒ OTHER:

8. Well Name and Number:

ANDERSON 1

2. Name of Operator:

Beartooth Oil & Gas Company

9. API Well Number:

43-019-30135

3. Address and Telephone Number:

P. O. Box 2564, Billings, Montana 59103 (406) 259-2451

10. Field and Pool, or Wildcat:

SAN ARROYO

4. Location of Well

Footages: 1800' FWL, 650' FSL

County: Grand

OO, Sec., T., R., M.:

SE SW SEC 8-T16S-R25E

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- ☐ Abandonment
☐ Casing Repair
☐ Change of Plans
☐ Conversion to Injection
☐ Fracture Treat
☐ Multiple Completion
☒ Other RESUME PRODUCTION
- ☐ New Construction
☐ Pull or Alter Casing
☐ Recompletion
☐ Shoot or Acidize
☐ Vent or Flare
☐ Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- ☐ Abandonment
☐ Casing Repair
☐ Change of Plans
☐ Conversion to Injection
☐ Fracture Treat
☐ Other _____
- ☐ New Construction
☐ Pull or Alter Casing
☐ Shoot or Acidize
☐ Vent or Flare
☐ Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

WELL RESUMED PRODUCTION SEPTEMBER 1, 1995 AFTER A LENGTHY SHUT-IN PERIOD.

13.

Name & Signature: Bobbie Ostwald

BOBBIE OSTWALD, PRODUCTION

Title: _____

Date: 10-20-95

(This space for State use only)